

From: [Allen, Bob \(PCS\)](#)
To: [Miller, Garyg](#)
Subject: FW: San Jacinto Independent Review-Harris County Technical Review Team Comments 8/15/14
Date: Wednesday, August 20, 2014 3:47:20 PM
Attachments: [Dioxin Clean-Up Criteria - 042814.pdf](#)

Gary,

Please see Randy's below response to your questions from yesterday afternoon.

We can talk more tomorrow.

Have a safe trip !!

From: Palachek, Randy M [<mailto:Randy.M.Palachek@parsons.com>]
Sent: Wednesday, August 20, 2014 3:39 PM
To: Allen, Bob (PCS)
Cc: 'Baker, Debra' (dbaker@connellybaker.com); Wotring, Earnest (EWotring@connellybaker.com); Owens, Rock (CAO)
Subject: RE: San Jacinto Independent Review-Harris County Technical Review Team Comments 8/15/14

Bob,

In reference to the questions below.

- Regarding dioxin detection levels in groundwater, pore water or surface water in the first 3 bullets on page 2: while they state they are using the appropriate analytical method (EPA 1613B), their sample sizes are not large enough to achieve detection limits at or lower than the Texas surface water quality standard (TEQ=7.8e-8 ug/L). In order to achieve these levels, typically the sample size need to be at least 40 liters or so. Other researchers have utilized this volume to achieve acceptable dioxin detection limits. This could be achieved with groundwater and sampling immediately over and in very close proximity to the cap to obtain actual levels of dioxin. Pore water may be achieved by collecting sediment around the cap area and then centrifuging it to obtain a pore water sample.
- Concerning comment on page 3: Attached is a table that lists dioxin clean-up criteria at other Superfund Sites. We previously provided this table in our comments on the draft FS.

Randy

From: Allen, Bob (PCS) [<mailto:Bob.Allen@pcs.hctx.net>]
Sent: Wednesday, August 20, 2014 9:06 AM
To: Palachek, Randy M
Cc: 'Baker, Debra' (dbaker@connellybaker.com); Wotring, Earnest (EWotring@connellybaker.com); Owens, Rock (CAO)
Subject: FW: San Jacinto Independent Review-Harris County Technical Review Team Comments 8/15/14
Importance: High



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Randy,

Gary called yesterday afternoon and had two questions about our comments:

Page 2-bullets 1 and 2 ground water and pour water sampling method versus detection levels. I know that you all have questioned the analytical method before and I think that you have talked to Gary about this issue but questions remain.

Page 3- bullet 2. Gary needs to see more detail on where that level was used.

I told Gary that I would get with you today. He will be here tomorrow for our CAC meeting but It may be easier to just give him a call at his office number today.

Call me if you have any questions.

Bob Allen